

# Brain

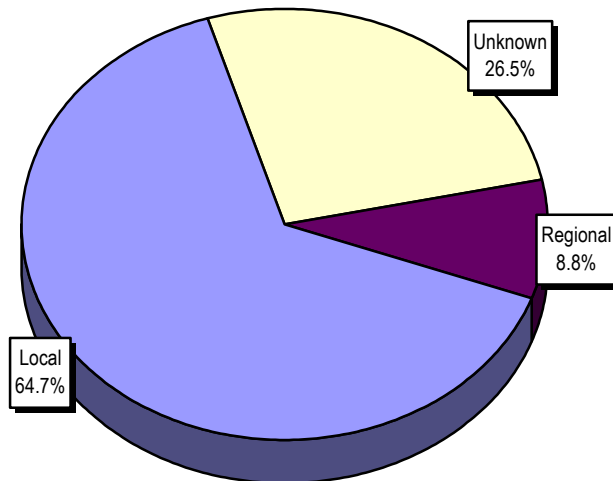
## Incidence and Mortality Summary

	Male	Female	Total
Age-adjusted incidence rate per 100,000	7.6	3.9	5.6
Total # of new cases	20	14	34
# of new invasive cases	16	9	25
# of new in-situ cases	0	0	0
# of deaths	8	3	11

## Total Cases and Deaths by Ward

Ward 1	4	0
Ward 2	5	3
Ward 3	6	1
Ward 4	4	1
Ward 5	2	3
Ward 6	2	0
Ward 7	2	2
Ward 8	3	1
Unknown	6	-

## Stage at Diagnosis



## Risk and Associated Factors

<b>Age</b>	This is the second most common cancer among children, following leukemia. Adult malignant brain tumors are most common after age 70.
<b>Gender</b>	Males have a higher rate than females
<b>Race &amp; SES*</b>	The incidence rate is higher in whites than in blacks.
<b>Occupation</b>	Many occupational and environmental exposures have shown suggestive associations with elevated rates of brain cancer, including radiation, vinyl chloride, and agricultural chemicals. Studies about these associations are still inconclusive.
<b>Other</b>	Human Immunodeficiency Virus (HIV) infected individuals have a much greater risk of developing brain lymphoma. Prior radiation therapy to the head is a known risk factor.

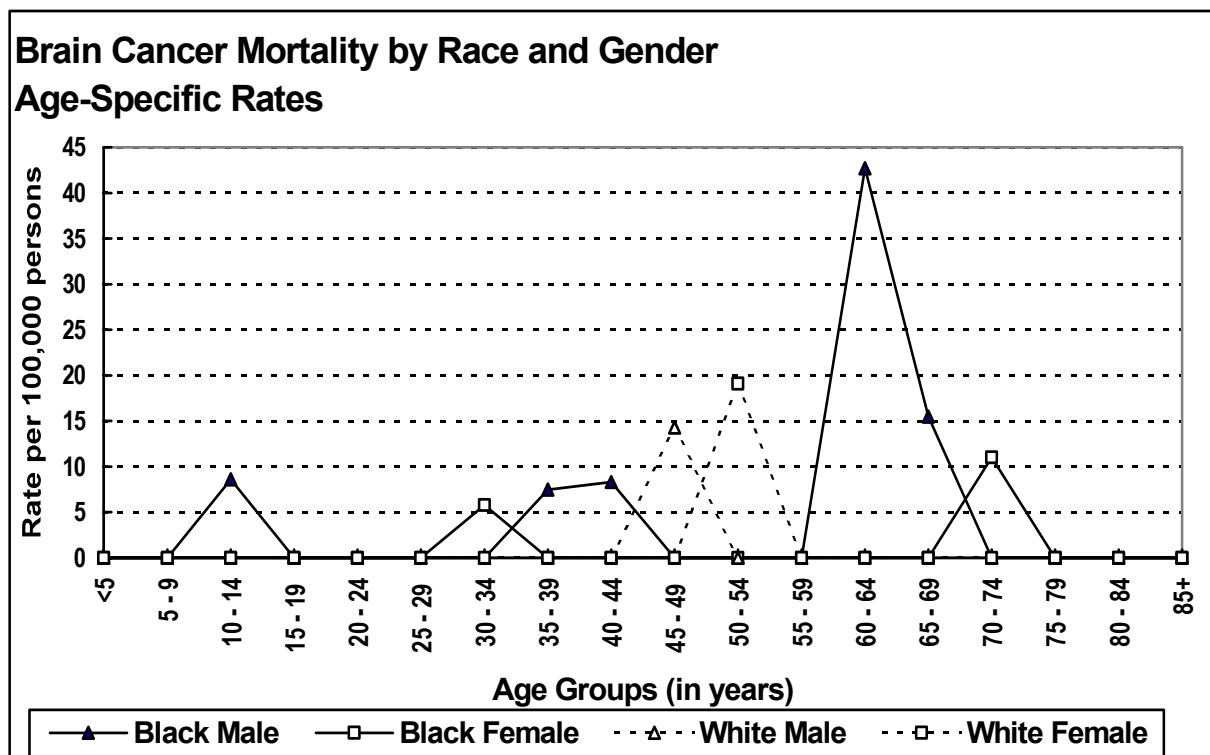
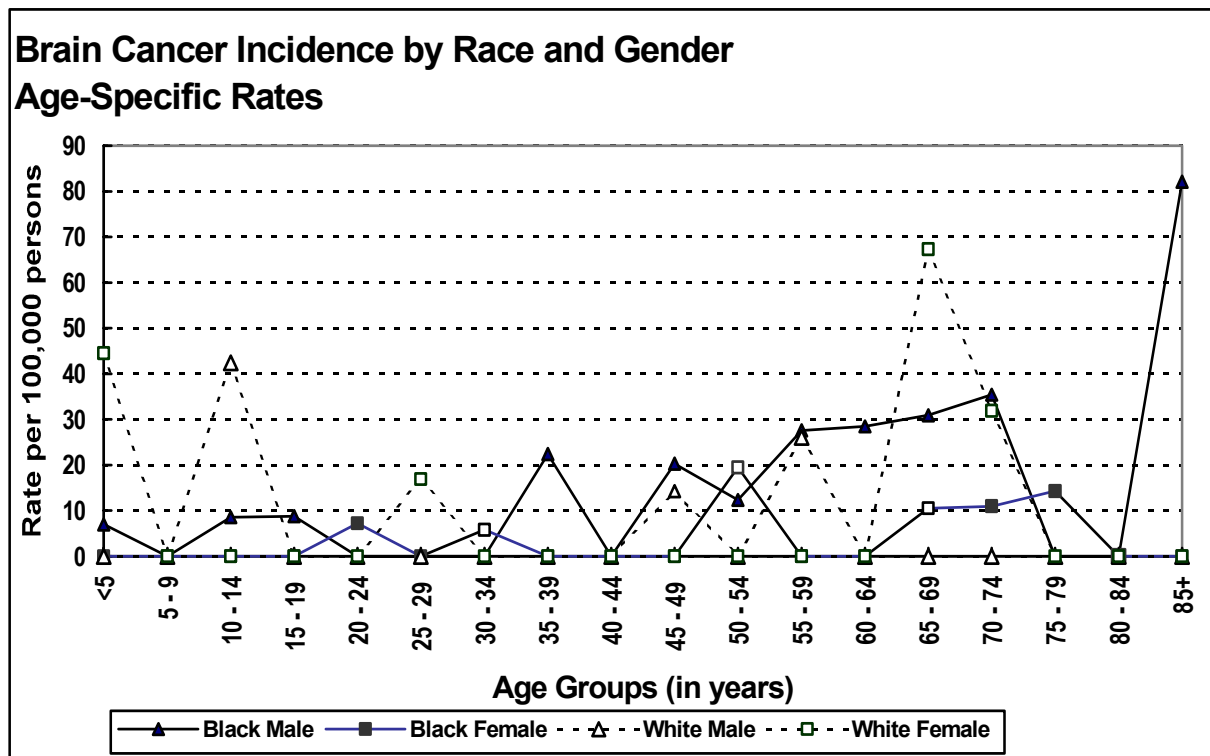
## Special Notes

95% confidence interval on the age-adjusted total incidence rate: 5.6 (3.6 – 7.5)  
Mean age-adjusted incidence rate across wards: 4.4  
Median age-adjusted incidence rate of wards: 4.3  
Range of age-adjusted incidence rates for wards: 3.7 (2.7 Ward 7 < 6.4 Ward 3)

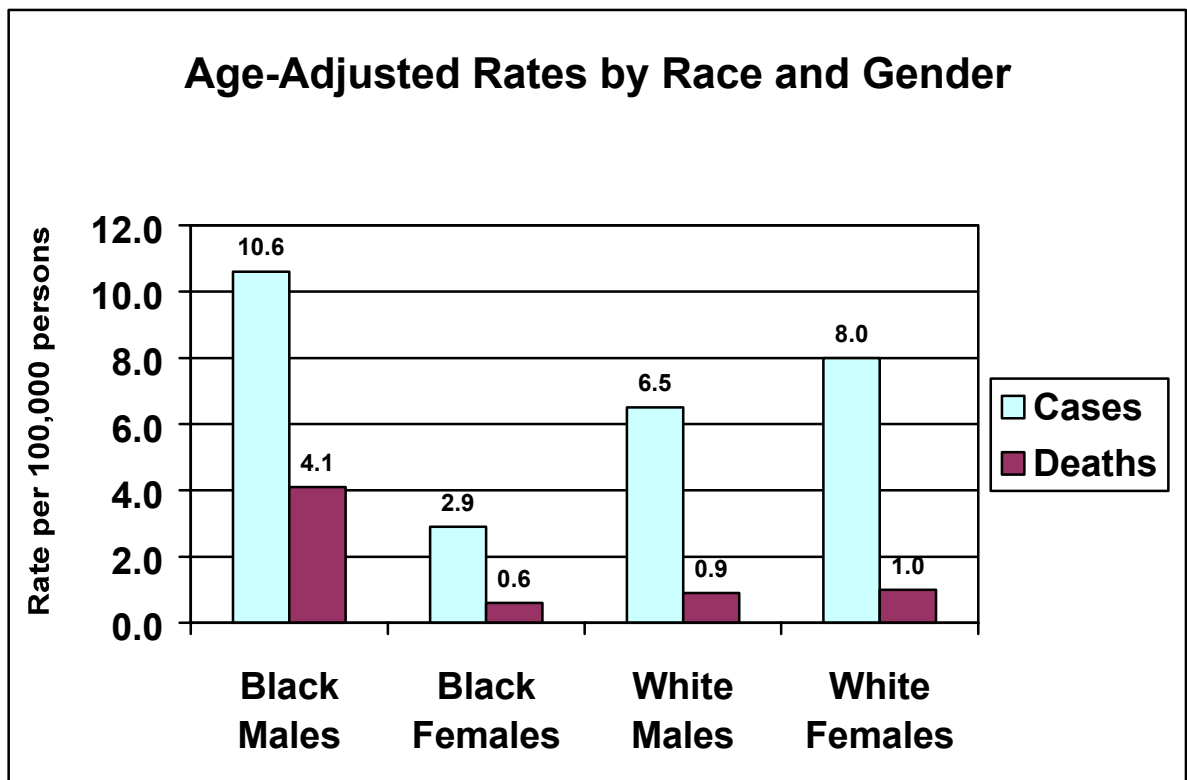
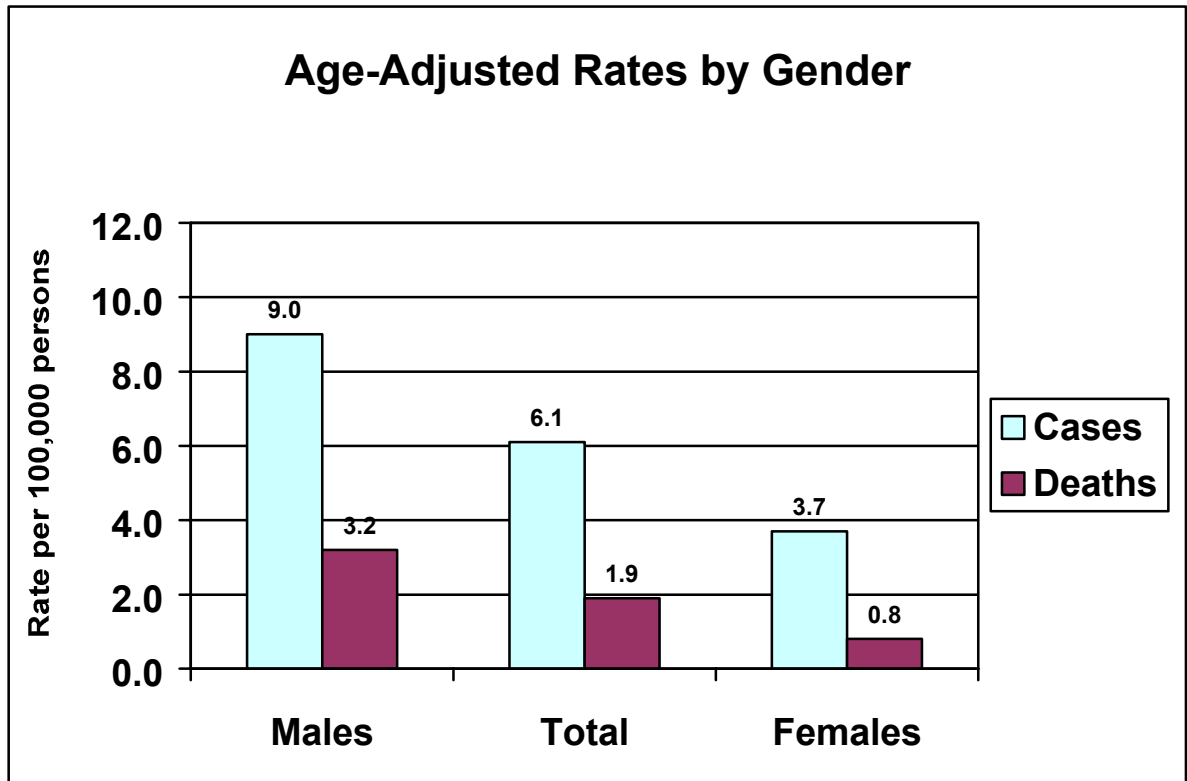
*The age-related incidence of brain cancer is typically bimodal, usually with a peak in infancy and childhood, a gradual rise in young adulthood, and a broader, sustained peak during the fifth to eighth decade of life.*

\*\*Socio-economic Status

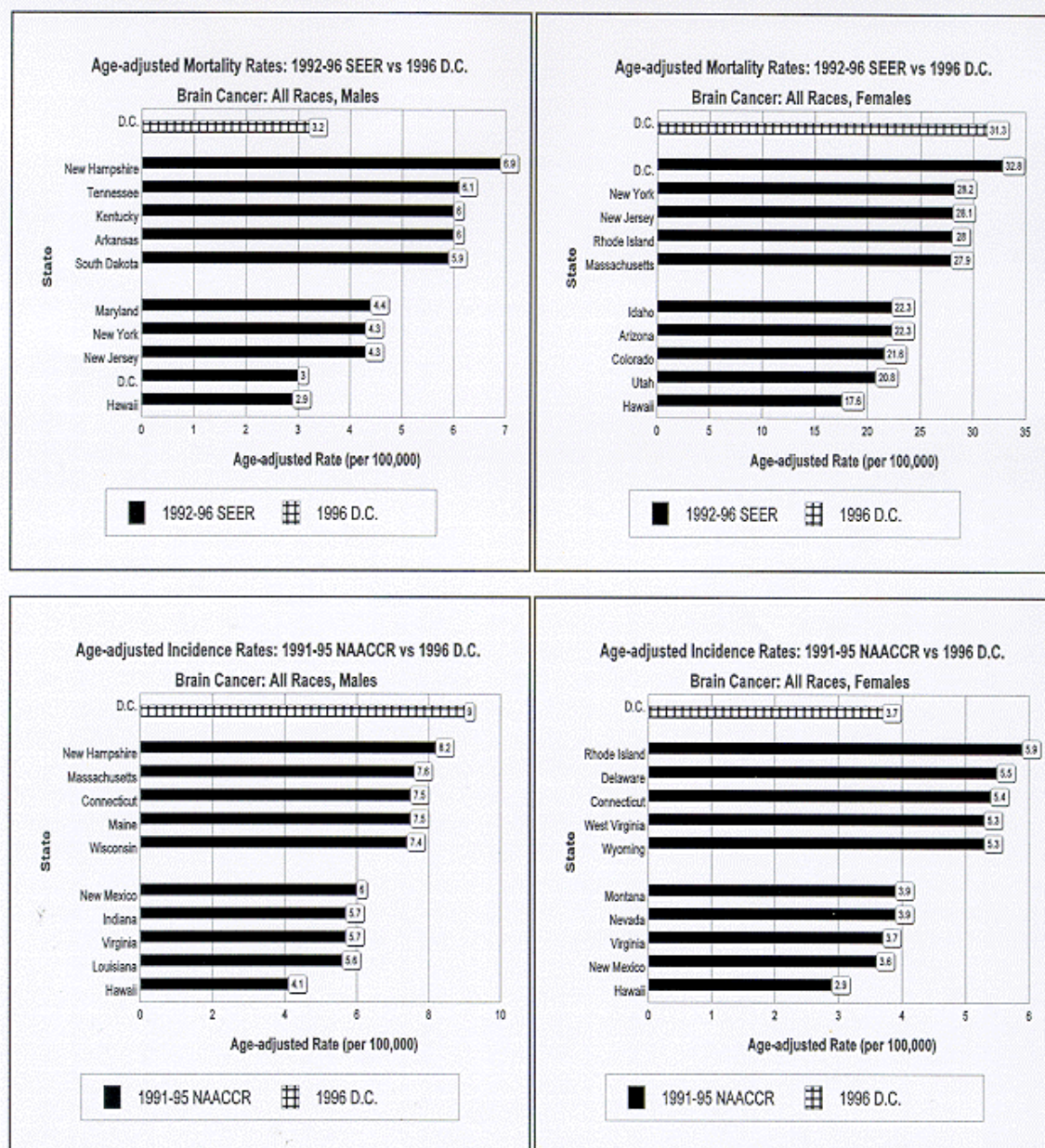
**Fig 10: Age-Specific Incidence and Mortality Rates by Race and Gender Brain Cancer**



**Fig. 11: 1996 Age-Adjusted Incidence and Mortality Rates for the District of Columbia – Brain Cancer**



**Figure 12: Comparison of the 1996 D.C. Cancer Incidence and Mortality Rates With the Highest 5 and Lowest 5 SEER (1992-96) Mortality and NAACCR (1991-95) † Cancer Incidence Rates**



† Data on D.C. between 1991-1995 were not available to NAACCR for publication in April 1999.